



ALGEBRA WORD PROBLEMS SHEET 3 ANSWERS

1)	A chicken weighs t lb. It needs to be cooked for 20 minutes per lb plus an extra 15 minutes. What is the total cooking time?	= $20t+15$ minutes
2)	I put \$100 in a savings account at $v\%$ yearly interest. How much money will I have in my account at the end of a year?	= $\$100+v$
3)	I get \$ m for my birthday. I spend half the money, but get given an extra \$50. How much money do I have now?	= $\$ \frac{1}{2} m+50$
4)	A calculator costs \$ d . A schools buys 90 calculators, and gets a \$100 discount for bulk purchasing. How much did the school spend?	= $\$90d - 100$
5)	A square has sides of t cm. What is the area of the square?	= $t^2 \text{ cm}^2$
6)	A rectangle measures w inches by h inches. What is the perimeter of the rectangle?	= $2(w+h)$ or $2w+2h$ inches
7)	I have \$ g . I spend half my money on a console game and \$20 on a console controller. How much money do I have left?	= $\$ \frac{1}{2} g - 20$
8)	I need to buy p pencils. I buy 4 packs of 7 pencils, but I still need a few more. How many pencils did I buy?	= $4 \times 7=28$ pencils (trick question)
9)	A car travels 120 miles in h hours. What is the average speed in miles per hour?	= $120/h$



Algebra 1 Word Problem Answer Key

Minjie Lin



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